

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022401.D
 Acq On : 22 May 2025 17:16
 Operator : SY/MD
 Sample : Q2112-01
 Misc : 5.72g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-05222025

Quant Time: May 23 03:40:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

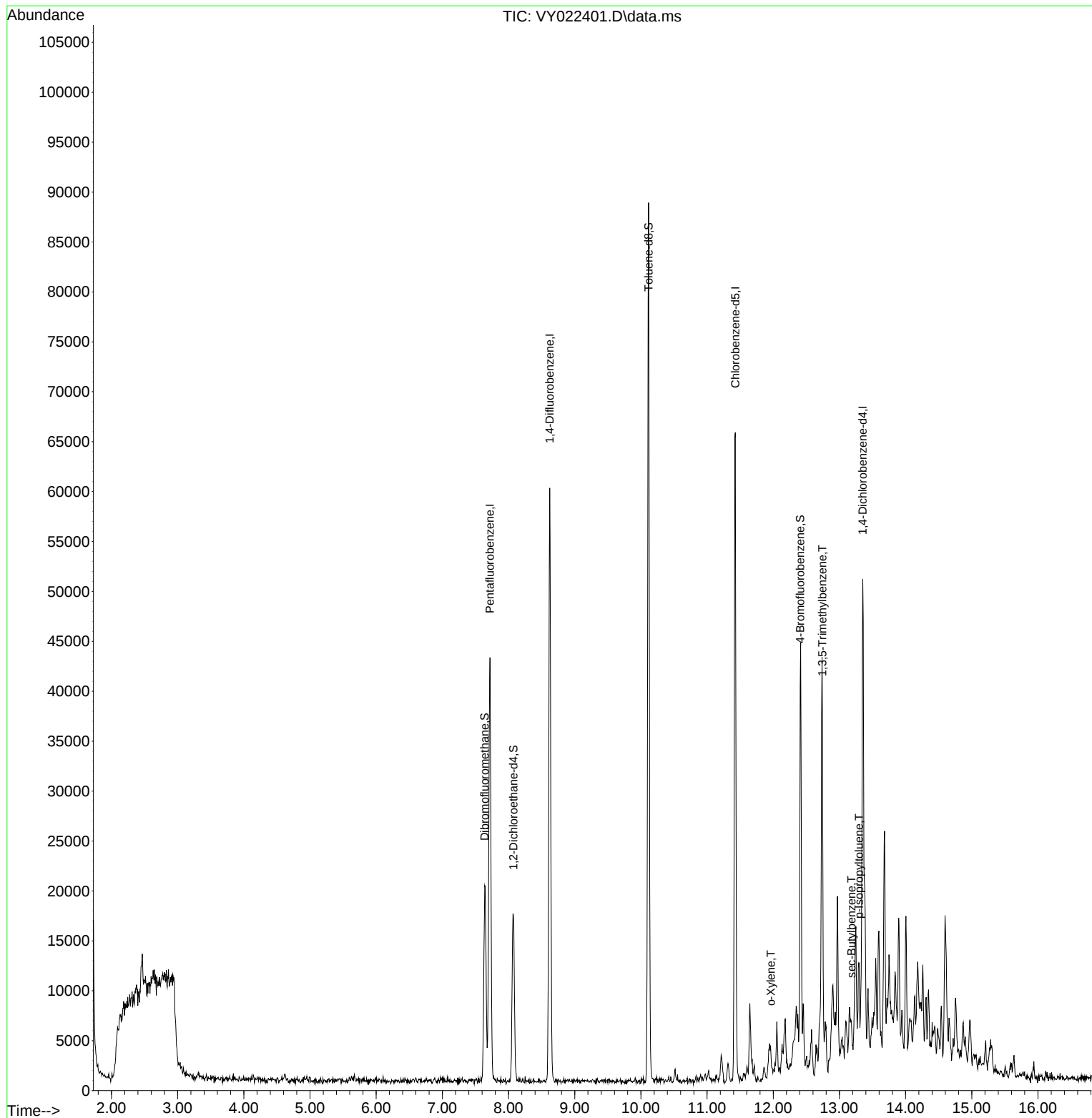
Internal Standards						
1) Pentafluorobenzene	7.720	168	31870	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	49512	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	33671	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.353	152	10706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	13674	39.258	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.520%
35) Dibromofluoromethane	7.640	113	13460	45.547	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.100%
50) Toluene-d8	10.115	98	55485	45.844	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.680%
62) 4-Bromofluorobenzene	12.408	95	11691	30.475	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	60.940%
Target Compounds						
					Qvalue	
69) o-Xylene	11.963	106	606	1.195	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	4513	6.303	ug/l	97
85) sec-Butylbenzene	13.182	105	1194	1.264	ug/l	95
86) p-Isopropyltoluene	13.298	119	1226	1.543	ug/l	87

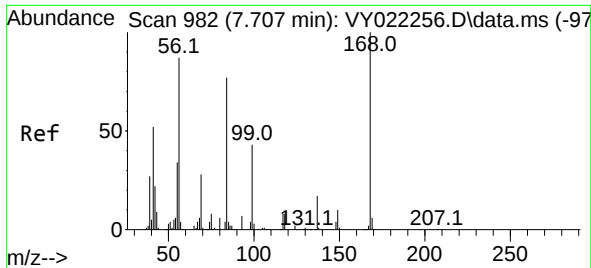
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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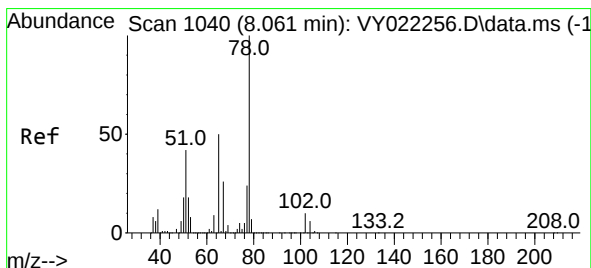
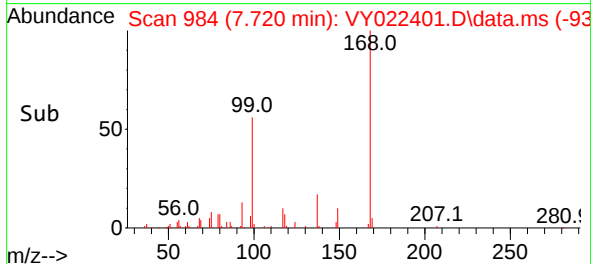
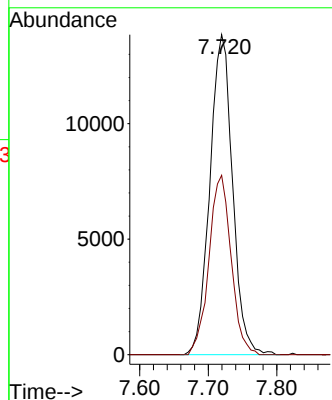
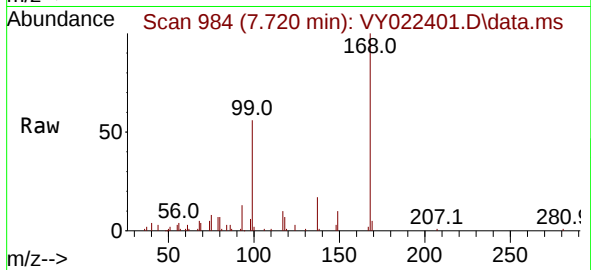




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 91
Delta R.T. 0.013 min
Lab File: VY022401.D
Acq: 22 May 2025 17:16

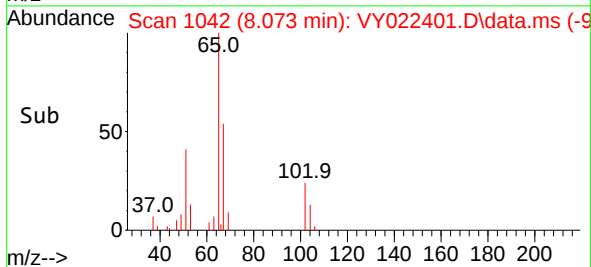
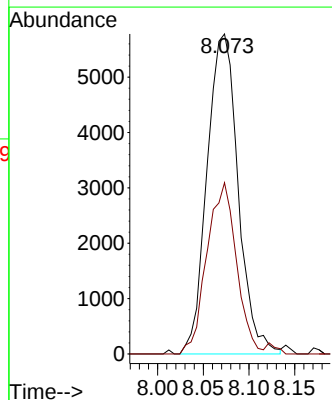
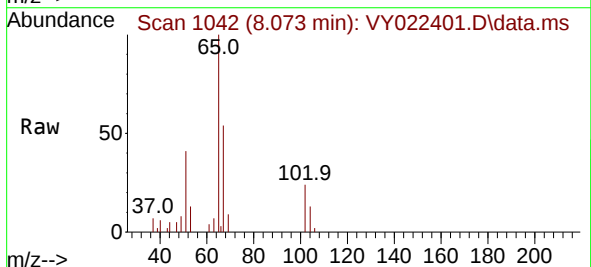
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-05222025

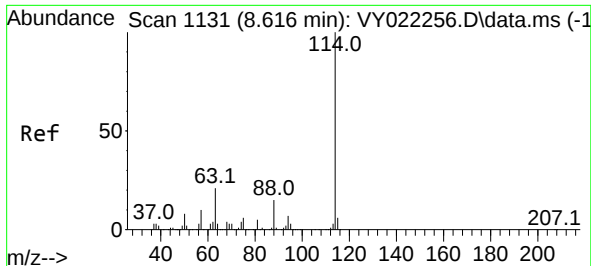
Tgt Ion:168 Resp: 31870
Ion Ratio Lower Upper
168 100
99 56.1 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 39.258 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VY022401.D
Acq: 22 May 2025 17:16

Tgt Ion: 65 Resp: 13674
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022401.D

Acq: 22 May 2025 17:16

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-05222025

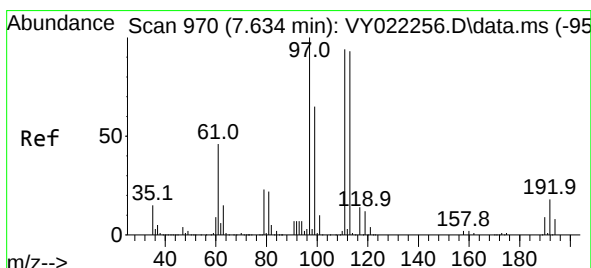
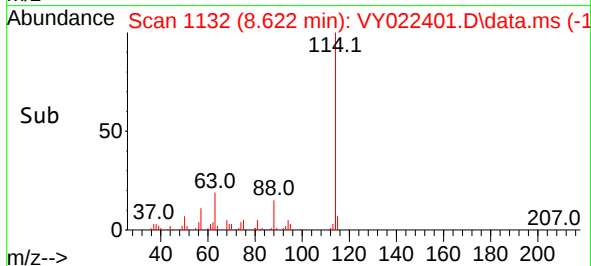
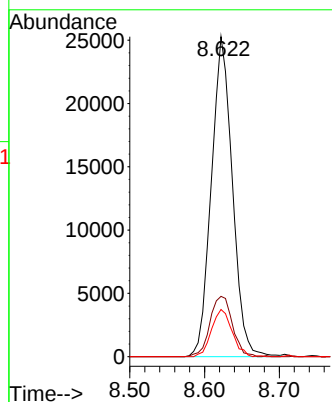
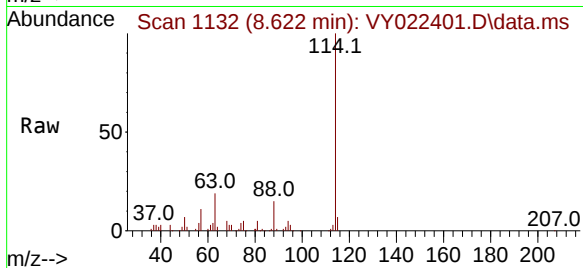
Tgt Ion:114 Resp: 49512

Ion Ratio Lower Upper

114 100

63 18.8 0.0 41.0

88 14.7 0.0 29.4



#35

Dibromofluoromethane

Concen: 45.547 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY022401.D

Acq: 22 May 2025 17:16

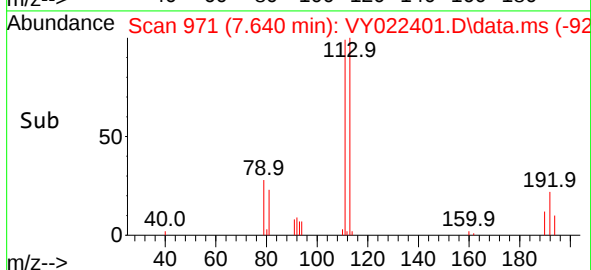
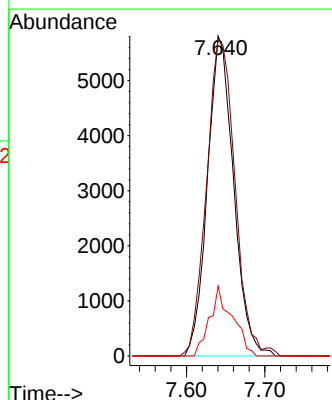
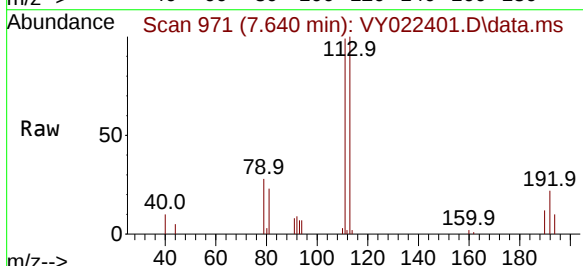
Tgt Ion:113 Resp: 13460

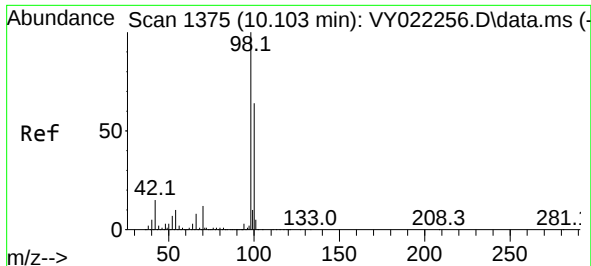
Ion Ratio Lower Upper

113 100

111 108.0 82.6 123.8

192 18.8 15.2 22.8

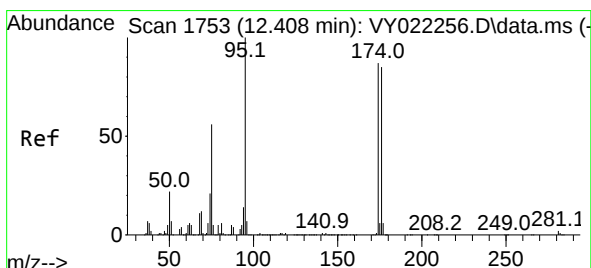
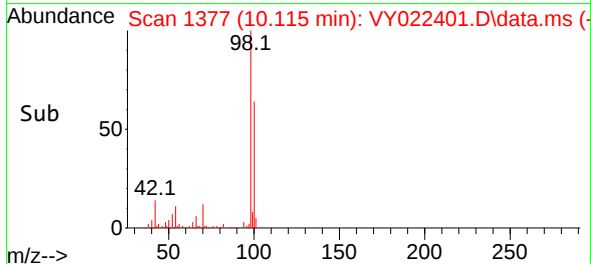
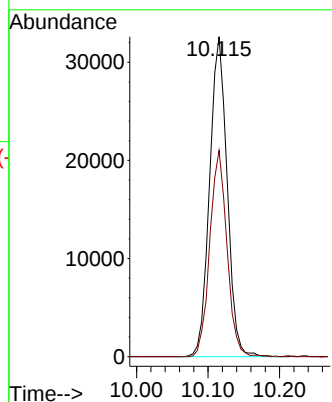
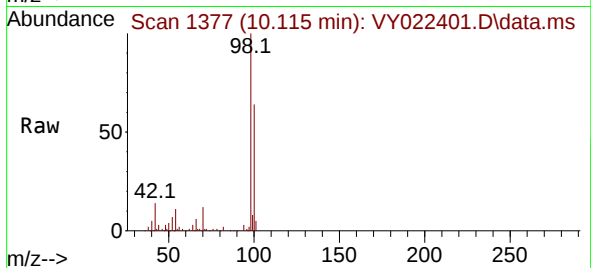




#50
Toluene-d8
Concen: 45.844 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.012 min
Lab File: VY022401.D
Acq: 22 May 2025 17:16

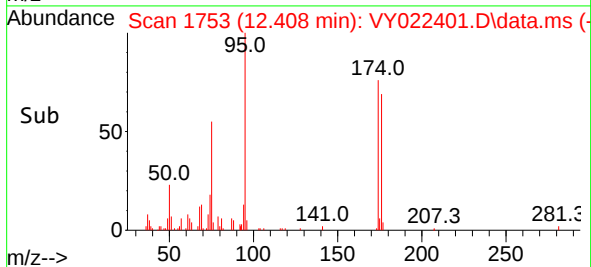
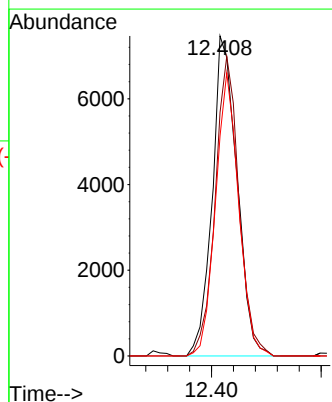
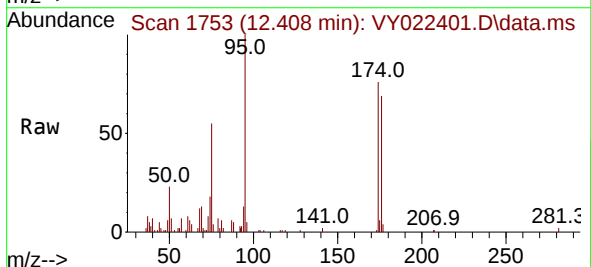
Instrument :
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ClientSampleId :
EO-03-05222025

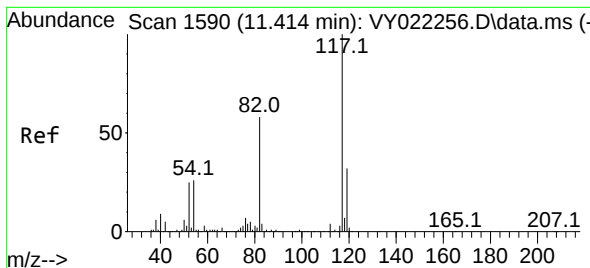
Tgt Ion: 98 Resp: 55485
Ion Ratio Lower Upper
98 100
100 63.1 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 30.475 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022401.D
Acq: 22 May 2025 17:16

Tgt Ion: 95 Resp: 11691
Ion Ratio Lower Upper
95 100
174 90.1 0.0 166.8
176 83.1 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY022401.D

Acq: 22 May 2025 17:16

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-05222025

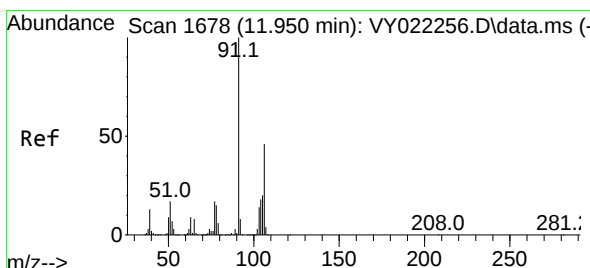
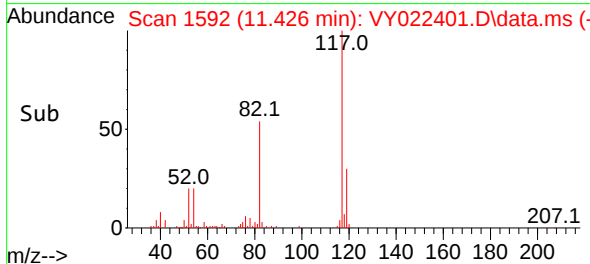
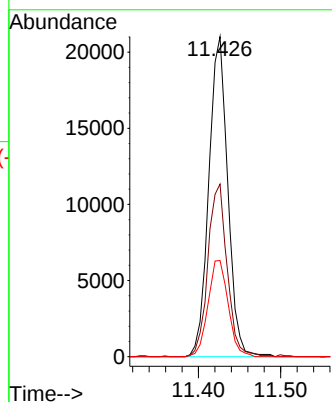
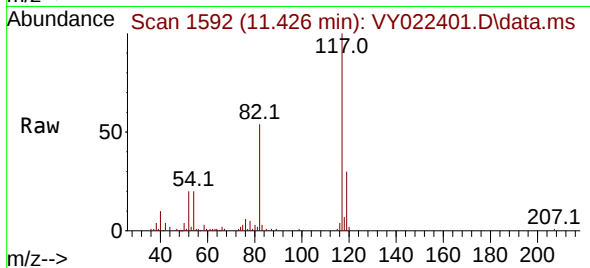
Tgt Ion:117 Resp: 33671

Ion Ratio Lower Upper

117 100

82 54.0 46.6 70.0

119 30.0 25.8 38.6



#69

o-Xylene

Concen: 1.195 ug/l

RT: 11.963 min Scan# 1680

Delta R.T. 0.012 min

Lab File: VY022401.D

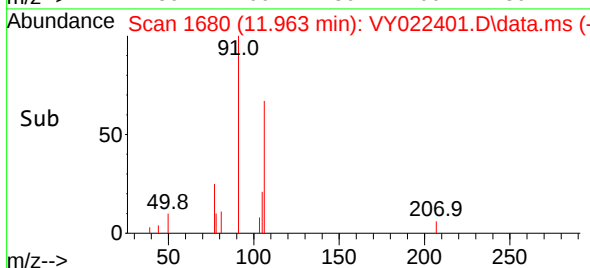
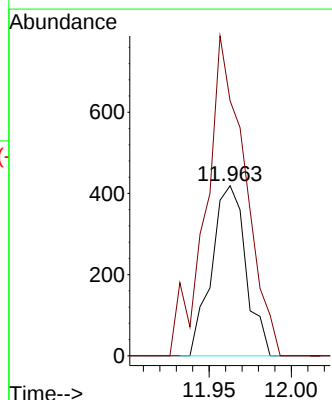
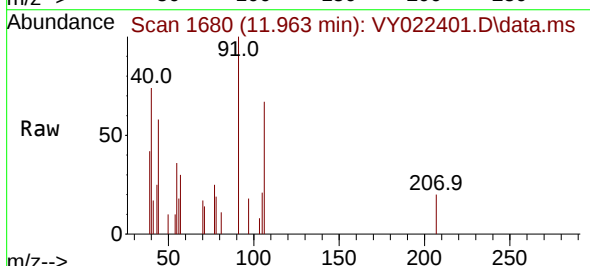
Acq: 22 May 2025 17:16

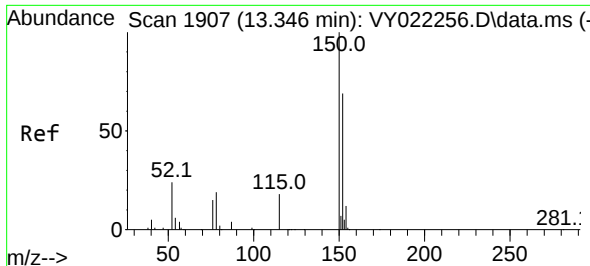
Tgt Ion:106 Resp: 606

Ion Ratio Lower Upper

106 100

91 214.5 108.3 324.8

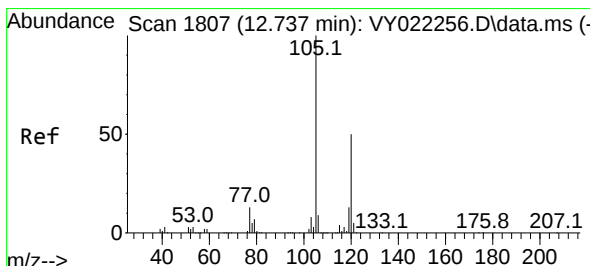
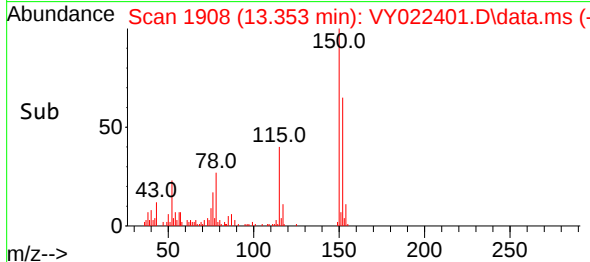
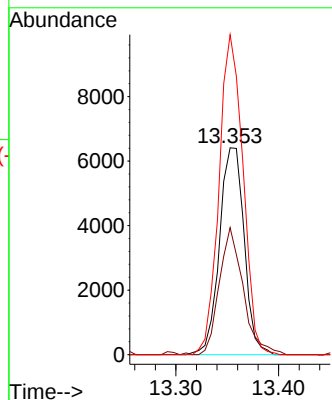
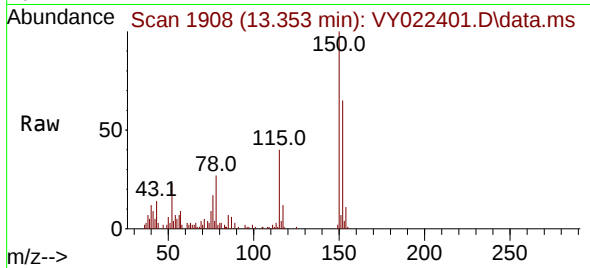




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 1908
 Delta R.T. 0.006 min
 Lab File: VY022401.D
 Acq: 22 May 2025 17:16

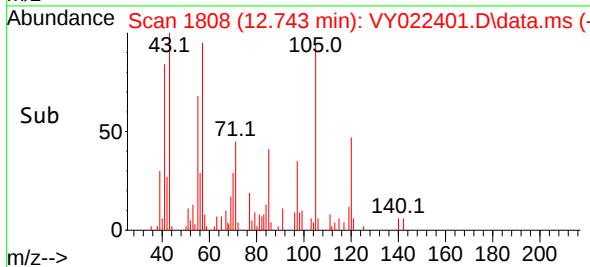
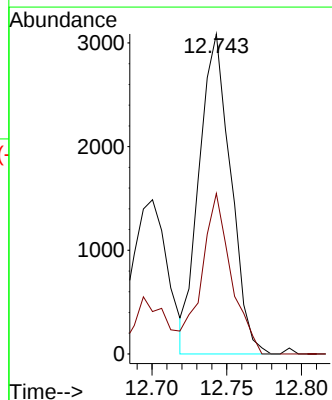
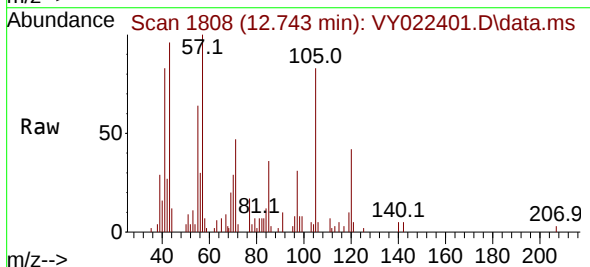
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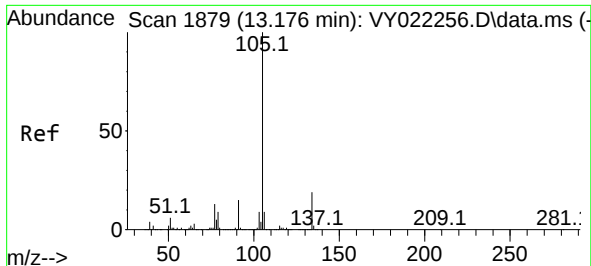
Tgt Ion:152 Resp: 10706
 Ion Ratio Lower Upper
 152 100
 115 59.3 29.4 88.2
 150 150.0 0.0 353.8



#80
 1,3,5-Trimethylbenzene
 Concen: 6.303 ug/l
 RT: 12.743 min Scan# 1808
 Delta R.T. 0.006 min
 Lab File: VY022401.D
 Acq: 22 May 2025 17:16

Tgt Ion:105 Resp: 4513
 Ion Ratio Lower Upper
 105 100
 120 46.7 24.2 72.6

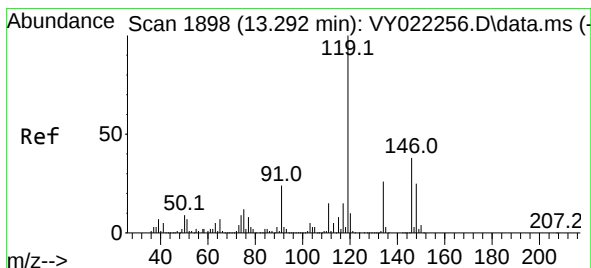
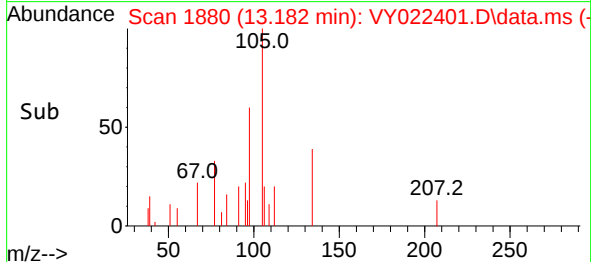
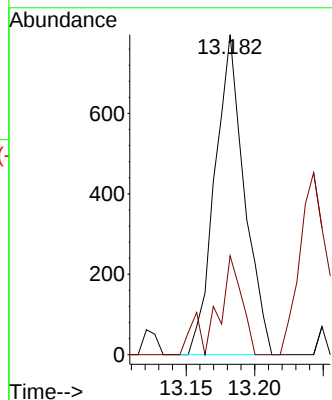
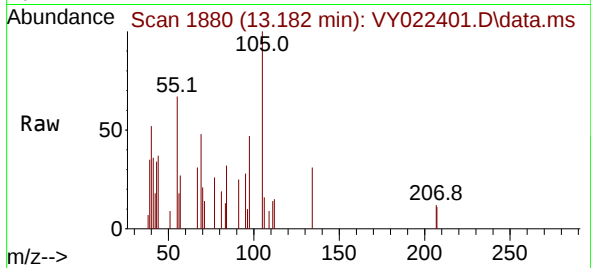




#85
 sec-Butylbenzene
 Concen: 1.264 ug/l
 RT: 13.182 min Scan# 1880
 Delta R.T. 0.006 min
 Lab File: VY022401.D
 Acq: 22 May 2025 17:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-05222025

Tgt Ion:105 Resp: 1194
 Ion Ratio Lower Upper
 105 100
 134 21.8 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 1.543 ug/l
 RT: 13.298 min Scan# 1899
 Delta R.T. 0.006 min
 Lab File: VY022401.D
 Acq: 22 May 2025 17:16

Tgt Ion:119 Resp: 1226
 Ion Ratio Lower Upper
 119 100
 134 32.8 12.9 38.6
 91 30.0 12.1 36.3

